

# **K–6 Informative Math Instruction**

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***Presentation: [tinyurl.com/2019ii](https://tinyurl.com/2019ii)***

# This short session...

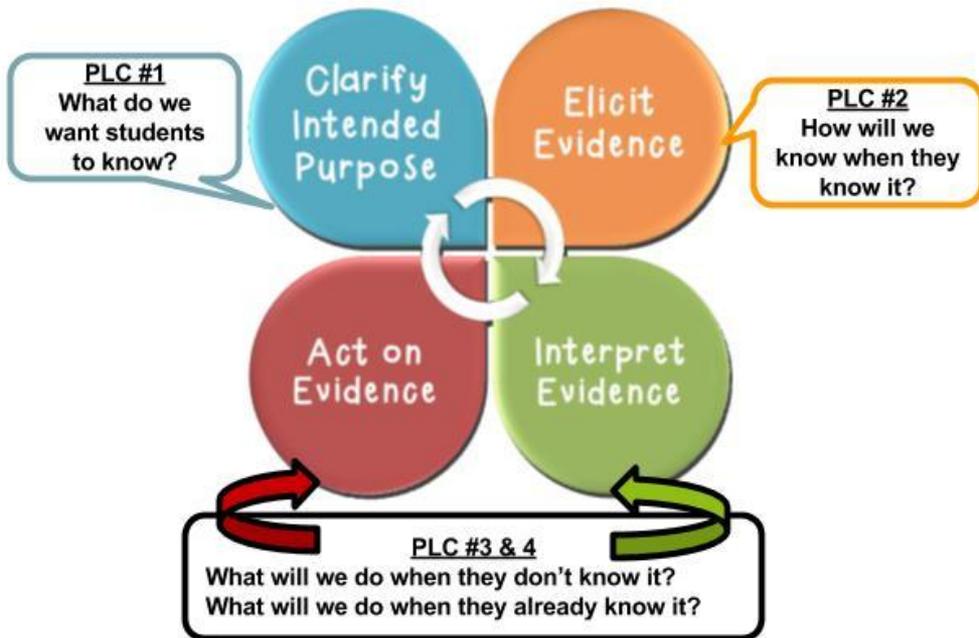
- ◆ Will provide you with a variety of “informative tools”.
- ◆ Will plant “many seeds”.
- ◆ Will provide you with links to the tools I have shared so you can “dig deeper” later on!

# Our Focus....

- ◆ Clarify the **WHY** behind “informative instruction”
- ◆ **Explore** a variety of ways to gather information efficiently and effectively

**Informative  
Instruction**  
focuses on Using  
Information to  
**determine  
instructional  
moves!**

## Embedded Formative Process & PLCs



*"When teachers do formative assessment effectively, students learn at roughly double the rate than they do without it."*

~Dylan William

# THE WHY

**“When teachers do formative assessment effectively, students learn at roughly double the rate than they do without it.”**

**-Dylan William**

# Key Ideas...

- Informing your instruction can happen in many ways AND can be part of any math activity.
- Informative assessment is providing you information, WATCH FOR IT!
- Taking this information and making next step decisions is where the POWER lies!

BASED ON ALL THE HEAD TILTS,  
MAYBE I'D BETTER EXPLAIN  
THIS AGAIN...



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**TRUE**

$$16 = 12 + 4$$



$$13 - 7 = 8$$



**FALSE**

# True or False

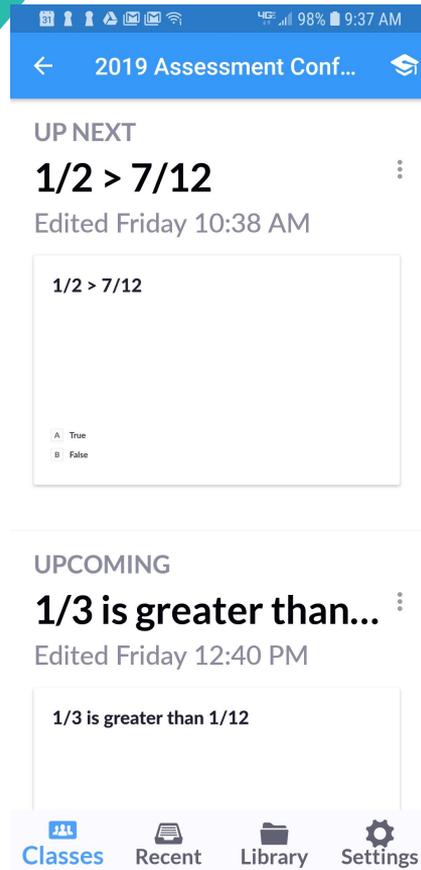
$$7 \times 8 = (2 \times 8) + (5 \times 8)$$

# #1 My Favorite No

# Plickers



- ◆ Stands for **P**aper **C**lickers
- ◆ Let's DO IT!
- ◆ Basics



On my phone....

# How to Create Plicker Formatives

- ◆ Go to [plickers.com](https://plickers.com)
- ◆ Create an account
- ◆ Create a class
- ◆ Create questions in your library
- ◆ [Guide to Plickers](#)





# Game Recording Sheets

**1 real, authentic**



**for what kids know and  
don't yet know.**

# Go Formative

Guests

- ① Go to [goformative.com/join](https://goformative.com/join)
- ② Enter this code:

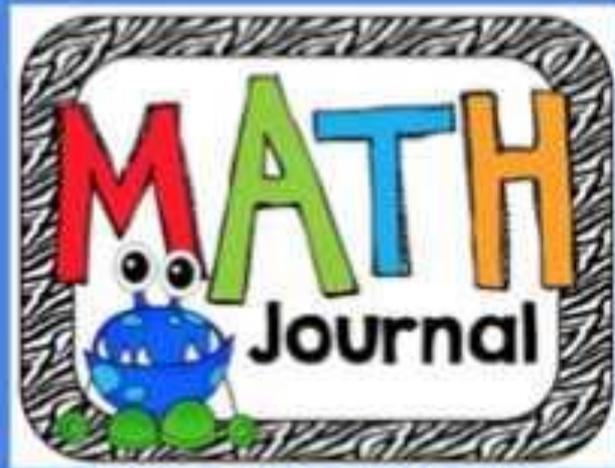
**BUKUXH**

# Writing to INFORM

# Math Journals: A Few Examples

Thanks to Math Cadre Team  
Members: Lisa Robinson,  
Brittany Mion, and Lindi  
Groshans

for these great examples of different  
ways you have used math journaling  
in your classrooms!



# A Few “Strategy to Fluency” Options....

[Addition Fact Strategies Assessment](#)

[Reflecting on Strategy](#)

[Fluency Review and Strategy Sort](#)

[Another Sort Example](#)

[Strategies to Fluency- All Strategies \(Class List\)](#)

[Tracking Strategies for a Student](#)

[Goal Setting](#)

# Hit our Targets?

- ◆ Clarify the **WHY** behind “informative instruction”
- ◆ **Explore** a variety of ways to gather information efficiently and effectively



**Your Favorite  
Informative  
Strategies?**

The background features a dark teal base with several overlapping, semi-transparent geometric shapes in a lighter teal and a vibrant lime green. These shapes create a layered, modern aesthetic. The word "Questions?" is centered in a clean, white, sans-serif font.

Questions?



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406-794-2015

*Presentation: [tinyurl.com/2019ij](http://tinyurl.com/2019ij)*

**Additional Slides  
(If Time!...Explore  
on your own!)**

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# Socrative

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# What is Socrative?

- Socrative is a FREE digital tool
- Smart student response system
- Socrative runs on tablets, iPads, smartphones, and laptops.
- Socrative is simple and takes seconds to login.

# Socrative

- ◆ Teachers can import a Socrative assessment that has already been created
- ◆ Teachers can easily create their own assessment/quiz/exit ticket.

# Be a Student!

**Scenario:** You are a 5th grade student and you have been working on 5.OA.2 “Write simple expressions that record calculations with numerical expressions without evaluating them.” The teacher wants to check your current understanding of this standard to determine next instructional steps.

# Be a Student!

- 1. Go to [socrative.com](https://socrative.com) (Or use app)**
- 2. Click on Student Login**
- 3. In Room # box put 1967 and Join Room.**
- 4. Enter your name and answer the questions.**

# Student Data

- ◆ Results can be quickly viewed in a spreadsheet (Scoresheet).
- ◆ Instantly, instructional decisions can be made for small guided math groups, what to focus on during instruction, common misconceptions addressed, etc.
- ◆ Students can analyze results and justify their answer along with common errors.

# Sign Up

1. Go to [socrative.com](https://socrative.com)
2. Click on Sign Up.
3. Enter the details.
4. Click on Create Account.